

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) ~~Method~~ A method of communication in transmitting/receiving stations in a wireless communication network, in which ~~first~~ multi-receiver frames are exchanged between a station and a plurality of other stations indicating the transmitting station and the receiving station in an omnidirectional manner using an omnidirectional antenna and ~~several~~ mono-receiver frames are exchanged between the transmitting station and the receiving station, in a directional manner using a directional antenna, wherein the transmission in an omnidirectional manner is effected in a more robust fashion than the transmission in a directional manner using a directional antenna.
2. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the more robust transmission is effected at a lower throughput than ~~the~~ a less robust transmission.
3. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the mono-receiver frames are modulated by a modulation with a first number of phases and in that the multi-receiver frames are modulated by a modulation with a second number of phases, and in that the first number of phases is greater than the second number of phases.
4. (Currently Amended) ~~Method~~ The method according to claim 3, wherein the mono-receiver frames are modulated by a modulation with more than two phases and in that the multi-receiver frames are modulated by a two phase modulation.

5. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the mono-receiver frames are coded with a first forward error correction rate and the multi-receiver frames are coded with a second forward error correction rate, and in that the first rate is higher than the second rate.

6. (Currently Amended) ~~Method~~ The method according to claim 5, wherein the mono-receiver frames and the multi-receiver frames are modulated by the same modulation.

7. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the transmission is in compliance with one of the standards belonging to the set comprising:

- Hiperlan type 2; and
- IEEE 802.11a.

8. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the transmission is in compliance with IEEE 802.11g.

9. (Currently Amended) A transmitting and receiving station for a wireless communication network, wherein said station comprises an omnidirectional antenna to transmit and receive multi-receiver frames in an omnidirectional manner indicating the transmitting and the receiving station and at least one directional antenna to transmit and receive mono-receiver frames in a directional manner, determined by the first multi-receiver frames, the transmission in a omnidirectional manner being effected in a more robust fashion than the transmission in a directional manner.

10 – 14. (Cancelled)

15. (Currently Amended) ~~Station~~ The station according to claim 9, ~~wherein it~~
~~comprises~~ comprising four directional antennas oriented at 90° with respect to
one another.

16 – 17. (Cancelled)

18. (Currently Amended) ~~A transmitting and receiving~~ The station for a
wireless communication network according to claim 9 comprising several
transmitting and receiving stations.